

HIDEAWAY BEACH EROSION CONTROL PROJECT

SAND DOLLAR ISLAND RESTORATION AREA

PREPARED FOR:
THE CITY OF MARCO ISLAND

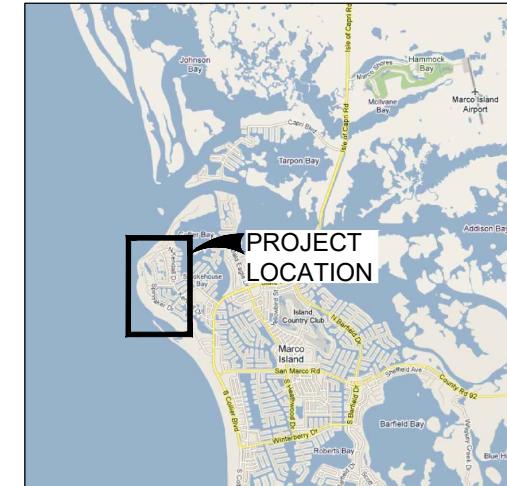
INDEX

1. COVER SHEET
2. PLAN VIEW
3. CROSS SECTIONS
4. CROSS SECTIONS

PUBLISHED TIDAL INFORMATION

TIDAL DATUMS AT MARCO, BIG MARCO RIVER ARE BASED ON FLORIDA 872 4991 TIDE STATION, PUBLISHED 03-30-2015.
LENGTH OF SERIES = 1 MONTH
TIME PERIOD = JULY 1989 - JULY 1989
TIDAL EPOCH = 1983 - 2001
CONTROL TIDE STATION = 872 5110 NAPLES, GULF OF MEXICO
ELEVATIONS OF TIDAL DATUMS ARE REFERENCED IN NAVD 1988.

MEAN HIGH WATER (MHW) = +0.43 FT NAVD
MEAN TIDE LEVEL (MTL) = -0.59 FT NAVD
MEAN LOW WATER (MLW) = -1.62 FT NAVD



LOCATION MAP
N.T.S.

NOTES

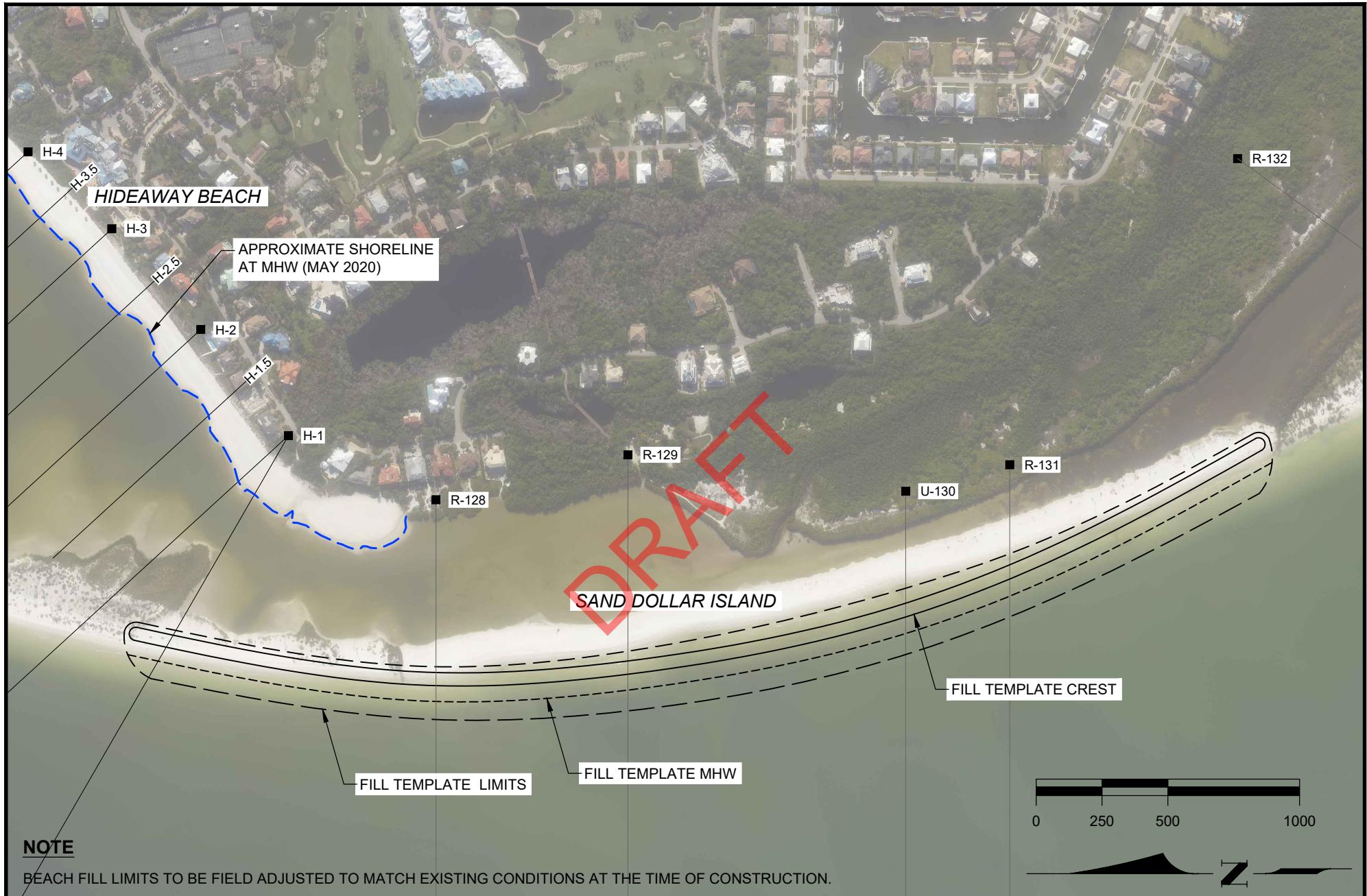
1. SURVEYS CONDUCTED BY COASTAL ENGINEERING CONSULTANTS, INC. (CEC), MAY 22, 2020, SEA DIVERSIFIED, INC. (SDI) APRIL 2020, AND USACE SEPTEMBER 18-25, 2017.
2. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD 83). ELEVATIONS SHOWN HEREON ARE IN FEET AND TENTHS AND REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD). ELEVATIONS ARE BASED ON:

872 4991D TIDAL
NORTHING 591,727.19 FEET
EASTING 417,229.65 FEET
ELEVATION 2.10 FEET NAVD

FDEP A24 (6478)
NORTHING 588,145.15 FEET
EASTING 410,914.69 FEET
ELEVATION 2.32 FEET NAVD

3. TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC GPS AND REFERENCED TO NAVD.
4. SURVEY ACCURACY STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYING MANUAL, 11/30/2013.
5. INFORMATION SHOWN HEREON REFLECTS CONDITIONS AS THEY EXISTED ON THE SURVEY DATE SHOWN AND CAN ONLY BE CONSIDERED INDICATIVE OF CONDITIONS AT THAT TIME.
6. AERIAL PHOTOGRAPHY PROVIDED BY PICKETT AND ASSOCIATES, INC., DATED JUNE 2020.

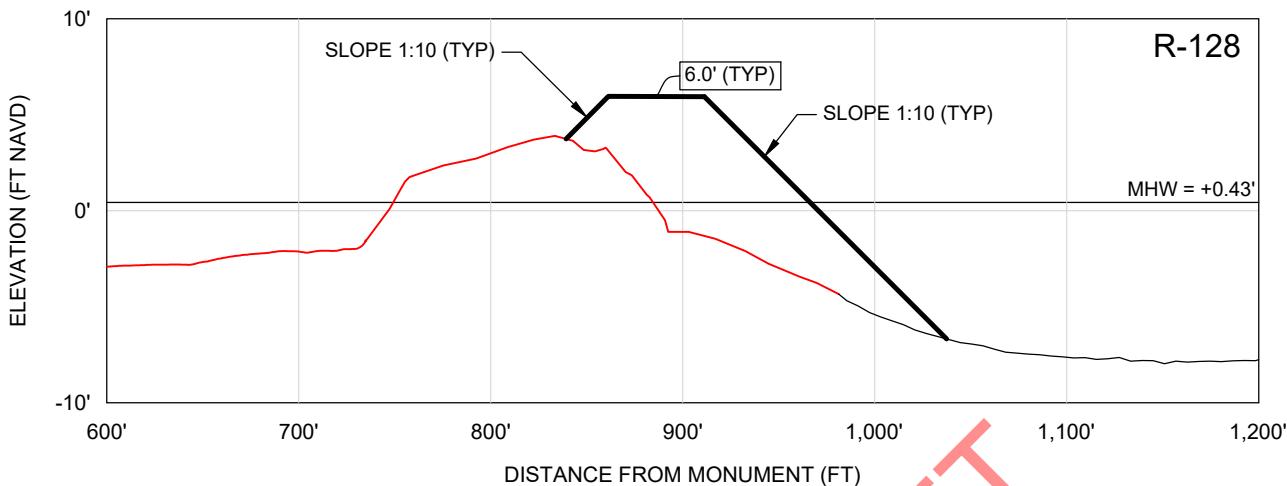
FILE NO.: 2020-P-1 SHEET 1	COASTAL ENGINEERING CONSULTANTS INC. A CECI GROUP COMPANY Serving Florida Since 1977 28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135	COASTAL AND MARINE ENGINEERING ENVIRONMENTAL SERVICES GEOLOGICAL SERVICES SURVEY AND MAPPING PHONE: (239)643-2324 FAX: (239)643-1143 www.coastalengineering.com E-Mail: info@ceci.com	CLIENT: THE CITY OF MARCO ISLAND	DATE: 11/06/2020	SCALE: AS NOTED			
			DRAWN: VVA	F.B.				
TITLE: SAND DOLLAR ISLAND RESTORATION AREA COVER SHEET			CHECKED: MTP	PG.				
			SEC.	TWP.	RNG.			
			ACAD NO.	20020-Permit-Mod-BeachFill.dwg				
			REF. NO.	20.020			NO. DATE BY	
							REVISION DESCRIPTION	



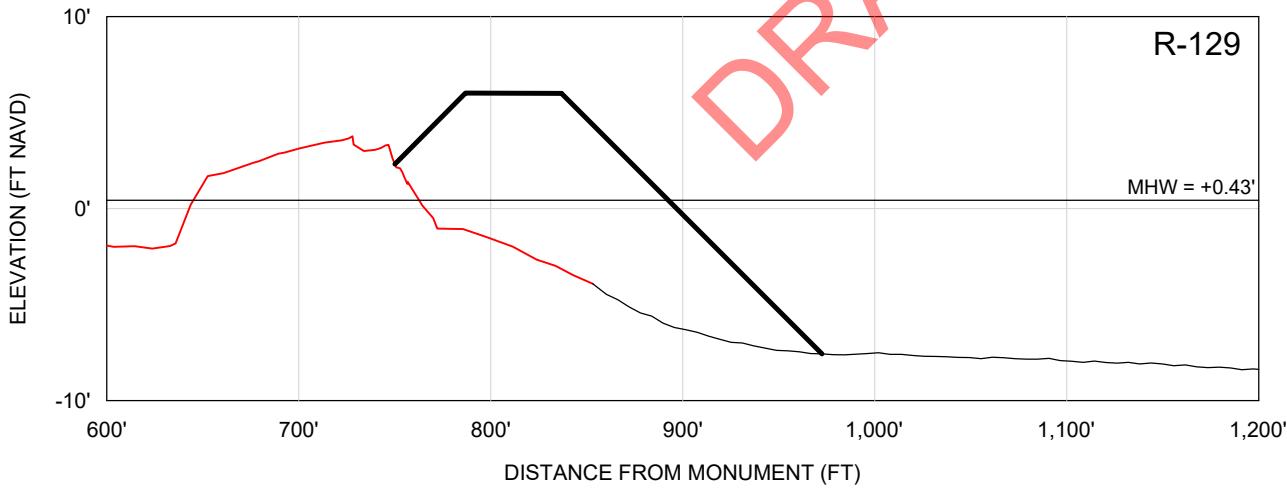
NOTE

FINAL GRADE AND ELEVATIONS WILL BE FIELD ADJUSTED TO MATCH EXISTING CONDITIONS AT THE TIME OF CONSTRUCTION

LEGEND



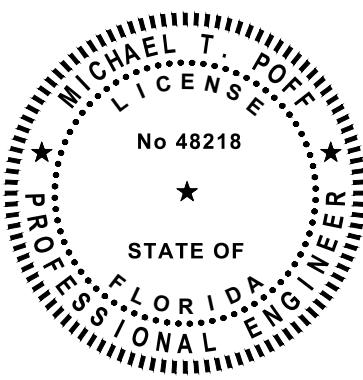
0' 1,000'
MONUMENT (FT)



SCALE

$$\overline{H: 1'' = 100'}$$

V: 1" = 10'



FILE NO. 20200-PA-3 SHEET 3	 COASTAL ENGINEERING CONSULTANTS INC. A CECI GROUP COMPANY Serving Florida Since 1977 28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135	COASTAL AND MARINE ENGINEERING ENVIRONMENTAL SERVICES GEOLOGICAL SERVICES SURVEY AND MAPPING PHONE: (239)643-2324 FAX: (239)643-1143 www.coastalengineering.com E-Mail: info@cecipl.com	CLIENT:	THE CITY OF MARCO ISLAND			DATE: 11/06/2020	SCALE: AS NOTED			
			TITLE:	SAND DOLLAR ISLAND RESTORATION AREA CROSS SECTIONS			DRAWN: VVA	F.B.			
			CHECKED: MTP	PG.							
			SEC.	TWP.	RNG.						
			ACAD NO.	20200-Permit-Mod-BeachFill.dwg							
			REF. NO.	20.020			NO.	DATE	BY	REVISION DESCRIPTION	

NOTE

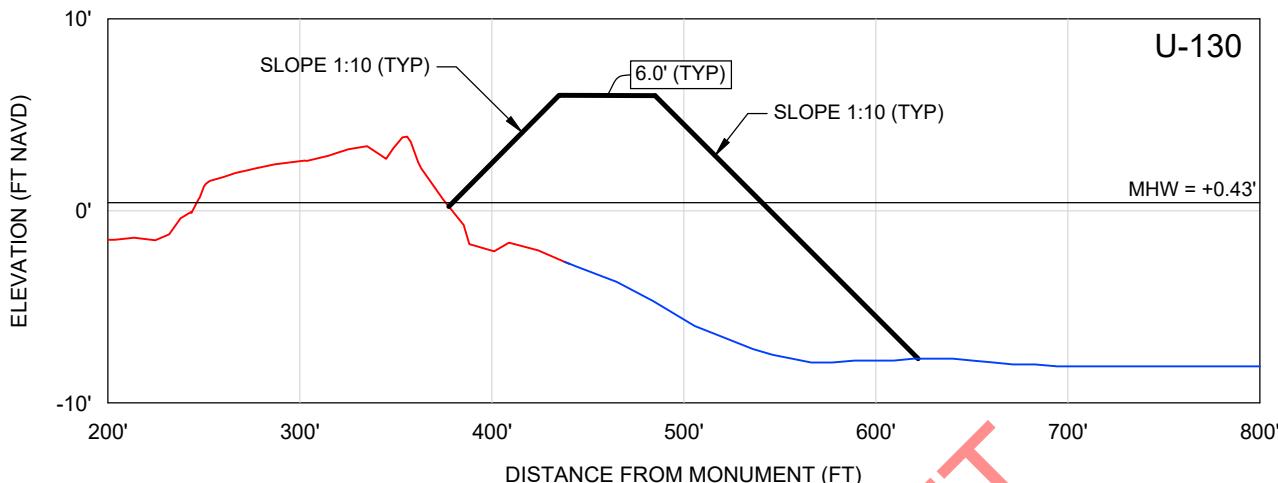
FINAL GRADE AND ELEVATIONS WILL BE FIELD ADJUSTED TO MATCH EXISTING CONDITIONS AT THE TIME OF CONSTRUCTION

LEGEND

— FILL TEMPLATE
— APR. 2020 SDI SURVEY
— MAY 2020 CEC SURVEY

SCALE

$$\overline{H: 1'' = 100'}$$



MONUMENT (FT) 600'

